

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-272-2
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

ONAN CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Onan Corporation 1987 model-year diesel engines have shown compliance with the transient test procedures and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) of 8,500 to 14,000 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
HNA03.4EPA4	210 (3.43)	Diesel Injection-Prechamber Smoke Puff Limiter (Turbocharger)

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u>
HNA03.4EPA4	0.5	2.7	4.8

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 20th day of January, 1987.



K. D. Drachand, Chief
Mobile Source Division

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HEAVY-DUTY DIESEL ENGINES

Manufacturer Onan Corporation Engine Family HNA034EPA4
 Liter (CID) 3.434 (210) Eng. Type In-line, 6 cylinders
 Emission Control Sys. and (Special Features) DIP (TC), SPL

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP at RPM	Fuel Rate mm ³ /stroke (lbs/Hr)	Maximum Rated Torque at RPM	Fuel Rate mm ³ /stroke (lbs/Hr)
L634T-A	Robert Bosch	Robert Bosch				
<u>CPL #s</u>						
004	147-0465-15	147-0662	120 @ 3600	50.3 (61.1)	221@2000	54.3 (36.6)
002, 005	147-0465-16	147-0662	112 @ 2800	54.2 (51.3)	221@2000	54.3 (36.6)
003, 006	147-0465-18	147-0662	102 @ 3600	43.8 (53.1)	187@2000	46.0 (31.1)
007	147-0465-19	147-0723-02	108 @ 2800	54.2 (51.3)	221@2000	54.3 (36.6)

Date of Issue 12/31/86 Revisions: